

CLAIMS

I claim:

1. An arrangement comprising:
an optoelectronic component with terminal contacts,
a printed circuit board with electrical contacts, and
a flexible conductor arrangement of a planar form and
including a plurality of interconnects, where the conductor
arrangement is connected to the optoelectronic component
and the printed circuit component such that the
interconnects provide electrical connections between the
terminal contacts of the optoelectronic component and
corresponding ones of the electrical contacts of the
printed circuit board,

wherein the flexible conductor arrangement is bent in
such a way that, starting from the printed circuit board,
the flexible conductor arrangement is led around the
optoelectronic component and contacts the optoelectronic
component on a side facing away from the printed circuit
board.

2. The arrangement as claimed in claim 1, the
flexible conductor arrangement having a first portion with
contact regions for the connection to associated electrical
contacts of the printed circuit board and a second portion
with contact regions for the electrical connection to the
terminal contacts of the optoelectronic component, and the
conductor arrangement being bent at least in a third
portion lying between the first portion and the second
portion.

3. The arrangement as claimed in claim 2, the
conductor arrangement having in the third portion at least
one region of maximum curvature.

4. The arrangement as claimed in claim 3, the printed circuit board having in the region of maximum curvature a bending radius which is equal to or greater than a minimum bending radius, which fixes a maximum permissible curvature of the conductor arrangement.

5. The arrangement as claimed in claim 3, the optoelectronic component being arranged at least partly between two subregions of the conductor arrangement which adjoin the region of maximum curvature of the conductor arrangement.

6. The arrangement as claimed in claim 5, the subregions of the conductor arrangement adjoining the region of maximum curvature running at least partly parallel.

7. The arrangement as claimed in claim 6, the at least partly parallel-running subregions of the conductor arrangement being at a distance from each other which is greater than a thickness of the optoelectronic component.

8. The arrangement as claimed in claim 2, wherein the optoelectronic component includes a leadframe for contacting purposes, and wherein the contact regions of the second portion of the conductor arrangement are respectively being brought into electrical contact with a corresponding leg of the leadframe.

9. The arrangement as claimed in claim 1, the optoelectronic component having an optical window for light to enter or light to leave, the optical window being arranged on the side of the optoelectronic component facing away from the printed circuit board and the flexible conductor arrangement defining, at least in the region of

the optical window, a clearance for light to pass therethrough.

10. The arrangement as claimed in claim 2, the first portion of the conductor arrangement, connected to the printed circuit board, running parallel to the surface of the printed circuit board.

11. The arrangement as claimed in claim 2, the first portion of the conductor arrangement, connected to the printed circuit board, being arranged on the end face of the printed circuit board and running perpendicularly in relation to the surface of the printed circuit board.

12. The arrangement as claimed in claim 1, further comprising a mounting element having one side connected to the side of the optoelectronic component facing away from the printed circuit board, and a second side providing a mechanical interface, and wherein the flexible conductor arrangement further includes a clearance in the region between the optoelectronic component and the associated side of the mounting element.

13. The arrangement as claimed in claim 1, the flexible conductor arrangement being formed by a flexible conductor.

14. An arrangement comprising:

a printed circuit board including an electrical contact;

an optoelectronic component mounted to the printed circuit board such that a first side faces toward the printed circuit board and a second side face away from the printed circuit board, wherein the optoelectronic component includes a terminal contact formed on the second side, and

a flexible flat cable including a first contact region located adjacent to a first end portion, a second contact region located adjacent to a second end portion, and an elongated conductor extending between the first and second contact pads along a third portion of the flexible flat cable that extends between the first end portion and the second end portion,

wherein the flexible flat cable is connected between the printed circuit board and the optoelectronic component such that the first contact region is connected to the electrical contact of the printed circuit board at a point adjacent to the first side of the optoelectronic component, the second contact pad is connected to the terminal contact on the second side of the optoelectronic component, and the third portion of the flexible cable extends around the optoelectronic component.

15. An arrangement comprising:

a printed circuit board;

an optoelectronic component mounted to the printed circuit board such that a first side faces toward the printed circuit board and a second side face away from the printed circuit board, and

a flexible flat cable including a first end portion connected to the printed circuit board, a second end portion connected to the second face of the optoelectronic component, and a third portion extending between the first and second end portions,

wherein the third portion defines a bent region, a first straight region extending between the bent region and the first end portion, a second straight region extending between the bent region and the second end portion, and

wherein the first and second straight portions are parallel.